



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.13/RM/CSR-05/829f/CEMENT/2015-16

Date: 06.05.2015

TEST REPORT ON CEMENT

* CUSTOMER	: Executive Engineer, Dasarahalli Division, BBMP, Bangalore.
* AGENCY	: Mr. R. Mangalaraju No. 11/2, 3 rd Stage, 3 rd Block, Saneguruvanahalli, Basaveshwaranagar, Bangalore – 560 079.
* NAME OF THE WORK	: Improvements to roads & drains in 13 th & 14 th Cross Road at Kalyananagara in Ward No. 13 in SSD, BBMP, Bangalore.
REFERENCE	: EE/DD/WO/74/2014-15 Dated: 26.06.2014
SAMPLE ID	: Cement – Sample 2
SAMPLE RECEIVED ON	: 02.05.2015
PERIOD OF TESTING	: 02.05.2015 to 06.05.2015



The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	465 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH .C
Quality Manager



AC-13

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಭಿಯಂತರರು
ಶಿಕ್ಷಣ ಮತ್ತು ಮಾನವ ಸಂಪನ್ಮೂಲ, ದಾಖಲೆ ಮತ್ತು ಪಾಲಿಕೆ
ಬೃಹತ್ ನಗರ ಪಾಲಿಕೆ, ಬೆಂಗಳೂರು, ಬೆಂಗಳೂರು.
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Job No.: CTCE/BBMP/W.No.13/RM/CSR-05/829f/SAND-Gradation/2015-16

06.05.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer : Executive Engineer, Dasarahalli Division, BBMP, Bangalore.

* Agency : Mr. R. Mangalaraju
No. 11/2, 3rd Stage, 3rd Block, Saneguruvanahalli, Basaveshwaranagar,
Bangalore – 560 079.

* Name of Work : Improvements to roads & drains in 13th & 14th Cross Road at Kalyananagara in Ward
No. 13 in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/74/2014-15 Dated: 26.06.2014

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates - Sample 2

Sample Received on : 02.05.2015

Date of Testing : 06.05.2015



Total Wt. of Aggregates in gms

1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.25	90-100	90-100	90-100	95-100
2.36	76.22	60-95	75-100	85-100	95-100
1.18	59.35	30-70	55-90	75-100	90-100
600 Micron	40.71	15-34	35-59	60-79	80-100
300 Micron	16.12	5-20	8-30	12-40	15-50
150 Micron	5.87	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-II specific limits.

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VISHWANATH .C
Quality Manager

AE-13

6/5

ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ ಅಭಿಯಂತರರು
ಆಯ್ಕೆ ಮತ್ತು ಗುಣಮಟ್ಟದ ದಾಖಲೆಗಳನ್ನು ಪರಿಶೀಲಿಸಿ
ಬೃಹತ್ ಮಟ್ಟದಲ್ಲಿರುವ ಮಹಾನ್ಗಿರಿ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಬೆಂಗಳೂರು.

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

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: 06.05.2015

TEST REPORT ON COARSE AGGREGATES

* Customer : Executive Engineer, Dasarahalli Division, BBMP, Bangalore.

* Agency : Mr. R. Mangalaraju
No. 11/2, 3rd Stage, 3rd Block, Saneguruvanahalli, Basaveshwaranagar,
Bangalore - 560 079.

* Name of Work : Improvements to roads & drains in 13th & 14th Cross Road at Kalyananagara
in Ward No. 13 in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/74/2014-15 Dated: 26.06.2014

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm) - Sample 2

Sample Received on : 02.05.2015

Date of Testing : 06.05.2015



Total Wt. of Aggregates in gms= 10000

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.11	95-100	85-100
20	34.77	30-70	0-20
10	11.61	10-35	0-5
4.75	2.14	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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VISHWANATH .C
Quality Manager

AE-13

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